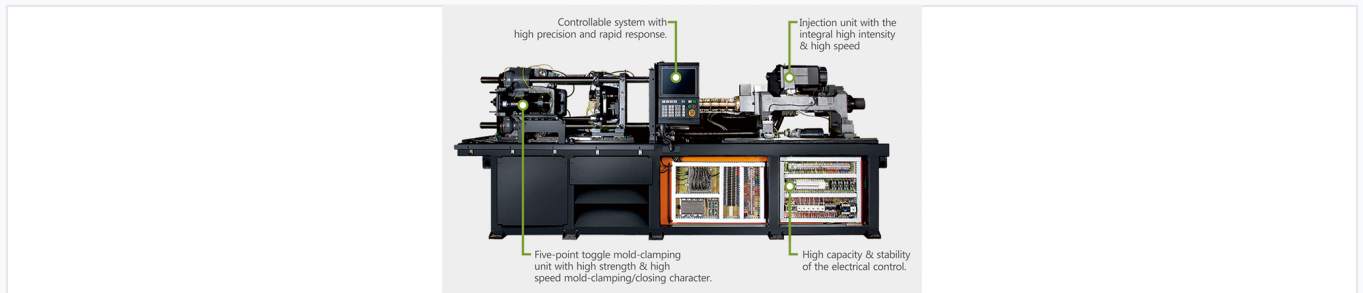


Full Electric Injection Molding Machine

This electric injection molding machine is designed for precision and energy efficiency. It features an advanced control system for optimized molding cycles.



Overview



The machine features a high-precision controllable system and a robust five-point toggle mold-clamping unit for rapid, stable performance.

High-Precision Full Electric Molding

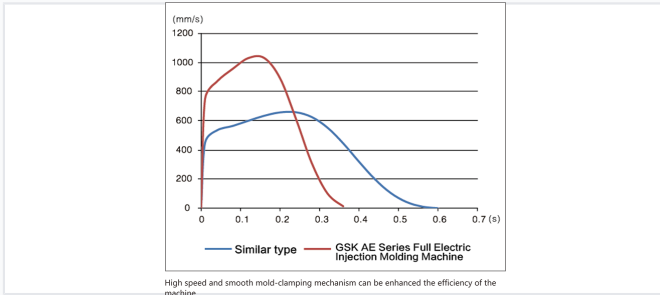
This full electric injection molding machine is engineered for exceptional precision, speed, and energy efficiency. By utilizing advanced servo control and heavy-duty ball screw technology, it delivers consistent, high-quality production across diverse applications including electronics, medical devices, and optics. Its all-electric design eliminates hydraulic oil usage, offering a cleaner, quieter, and more environmentally friendly manufacturing solution.

Key Features

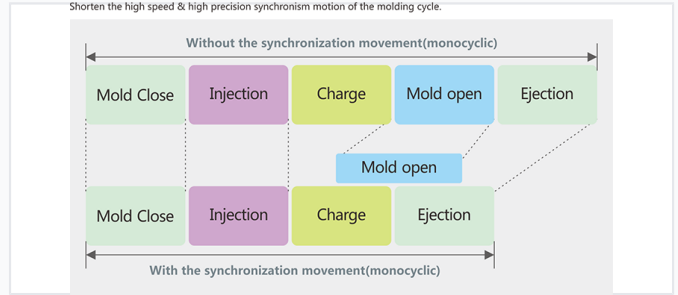
Suitable Applications

Electronics, Communication, Optics, Medical Equipment, Food Packaging, Consumer Goods

Injection Performance



Performance analysis showing faster initial injection speed and rapid deceleration for improved cycle times.



Optimized operational sequence using synchronized movement to enhance efficiency in plastic injection molding.

Injection Performance

50 ton

Clamping Force

500 mm/s

Max Injection Speed

289 Mpa

Max Injection Pressure

Injection Unit Specifications

Metric	Range/Value
Screw Diameter	18 - 28 mm
Injection Capacity	19 - 61.6 cm ³
Injection Weight (PS)	18 - 58.5 g
Injection Rate	114 - 196 cm ³ /s
Plasticizing Capacity	17 - 46 Kg/h

Clamping and Dimensions



Integrated high-performance servo motor and heavy-loading ball screws ensure reliable, accurate linear motion.

Clamping System

- Clamping Type: Five-point toggle
- Clamping Force: 50 ton
- Drive Travel: 250 mm
- Ejecting Force: 20 kN
- Ejection Stroke: 70 mm
- Number of Thimbles: 5

Machine Dimensions 3.71m x 1.02m x 2.06m

Machine Weight 3.2 t